CLAIMS

We Claim:

1. A radio frequency signal notification system comprising a radio frequency signal detector, a data word generator that generates a unique data word, a radio frequency signal transmitter that accepts the unique data word from the data word generator, and a radio frequency signal receiver for receiving a transmission of the unique data word from the radio frequency transmitter.

2. The radio frequency signal notification system of Claim 1 wherein the data word generator creates a data word.

3. The radio frequency signal notification system of Claim 1 wherein the data word generator encrypts a data word.

4. A radio frequency signal notification system comprising a radio frequency signal detector, a data word generator that generates a unique data word, a radio frequency signal transmitter that accepts the unique data word from the data word generator, and a radio frequency signal receiver for receiving a transmission of the unique data word from the radio frequency transmitter, the radio frequency receiver further having the ability to recognize the unique code and emit an alert.

5. The radio frequency signal notification system of Claim 4 wherein the data word generator creates a data word.

6. The radio frequency signal notification system of Claim 4 wherein the data word generator encrypts a data word.

7. The radio frequency receiver of Claim 4 wherein the alert is a vibration.

8. The radio frequency receiver of Claim 4 wherein the alert is an auditory alert.

9. The radio frequency receiver of Claim 4 wherein the alert is a visual alert.

10. The radio frequency signal notification system of Claim 4 wherein the radio frequency signal transmitter uses a carrier frequency.

11. The radio frequency signal transmitter of Claim 10 wherein the carrier frequency is in the range of 433 MHz to 5 GHz.

12. A radio frequency signal notification system comprising a radio frequency signal detector, a data word generator that generates a unique data word, a radio frequency signal transmitter that accepts the unique data word from the data word generator embedded into the circuitry of a radio frequency receiving device, and a remote frequency signal receiver for receiving a transmission of the unique data word from the radio frequency transmitter.

13. The radio frequency signal notification system of Claim 12 wherein the data word generator creates a data word.

14. The radio frequency signal notification system of Claim 12 wherein the data word generator encrypts a data word.

15. A radio frequency signal notification system comprising a radio frequency signal detector, a data word generator that generates a unique data word, a radio frequency signal transmitter that accepts the unique data word from the data word generator embedded into the circuitry of a radio frequency receiving device, and a remote frequency signal receiver for receiving a transmission of the unique data word from the radio frequency transmitter, the radio frequency receiver further having the ability to recognize the unique data word and emit an alert.

16. The radio frequency signal notification system of Claim 15 wherein the data word generator creates a data word.

17. The radio frequency signal notification system of Claim 15 wherein the data word generator encrypts a data word.

18. The radio frequency receiver of Claim 15 wherein the alert is a vibration.

19. The radio frequency receiver of Claim 15 wherein the alert is an auditory alert.

20. The radio frequency receiver of Claim 15 wherein the alert is a visual alert.

21. The remote cellular phone call notification system of Claim 15 wherein the radio frequency signal transmitter uses a carrier frequency.

22. The radio frequency signal transmitter of Claim 21 wherein the carrier frequency is in the range of 433 MHz to 5 GHz.

23. A radio frequency signal notification system comprising a radio frequency signal detector, a data word generator that generates a unique data word, a radio frequency signal transmitter that accepts the unique data word from the data word generator embedded into the circuitry of a cellular phone, and a remote frequency signal receiver for receiving a transmission of the unique data word from the radio frequency transmitter, the radio frequency receiver further having the ability to recognize the unique data word and emit an alert.

24. The radio frequency signal notification system of Claim 23 wherein the data word generator creates a data word.

25. The radio frequency signal notification system of Claim 23 wherein the data word generator encrypts a data word.

26. The radio frequency receiver of Claim 23 wherein the alert is a vibration.

27. The radio frequency receiver of Claim 23 wherein the alert is an auditory alert.

28. The radio frequency receiver of Claim 23 wherein the alert is a visual alert.

29. The cellular phone call notification system of Claim 23 wherein the radio frequency signal transmitter uses a carrier frequency.

30. The radio frequency signal transmitter of Claim 29 wherein the carrier frequency is in the range of 433 MHz to 5 GHz.

31. A radio frequency signal notification system comprising a radio frequency receiving device further comprising incoming signal detection ability thereby acting as a radio frequency detector, a data word generator that generates a unique data word, a radio frequency signal transmitter that accepts the unique data word from the data word generator, and a radio frequency signal receiver for receiving a transmission of the unique data word from the radio frequency transmitter.

32. The radio frequency signal notification system of Claim 31 wherein the data word generator creates a data word.

33. The radio frequency signal notification system of Claim 31 wherein the data word generator encrypts a data word.

34. A radio frequency signal notification system comprising a radio frequency receiving device further comprising incoming signal detection ability thereby acting as a radio frequency detector, a data word generator that generates a unique data word, a radio frequency signal transmitter that accepts the unique data word from the data word generator, and a radio frequency signal receiver for receiving a transmission of the unique data word from the radio frequency transmitter, the radio frequency receiver further having the ability to recognize the unique code and emit an alert.

35. The radio frequency signal notification system of Claim 34 wherein the data word generator creates a data word.

36. The radio frequency signal notification system of Claim 34 wherein the data word generator encrypts a data word.

37. The radio frequency receiver of Claim 34 wherein the alert is a vibration.

38. The radio frequency receiver of Claim 34 wherein the alert is an auditory alert.

39. The radio frequency receiver of Claim 34 wherein the alert is a visual alert.

40. The radio frequency signal notification system of Claim 34 wherein the radio frequency signal transmitter uses a carrier frequency.

41. The radio frequency signal transmitter of Claim 40 wherein the carrier frequency is in the range of 433 MHz to 5 GHz.

42. The radio frequency detector of Claim 34 further comprising a cellular phone.

43. A radio frequency signal notification system comprising a radio frequency receiving device having a power supply, a radio frequency detector, a data word generator that generates a unique data word, a radio frequency signal transmitter that accepts the unique data word from the data word generator, and a radio frequency signal receiver for receiving a transmission of the unique data word from the radio frequency transmitter, wherein the radio frequency detector utilizes the radio frequency receiving device power supply for operation.

44. The radio frequency signal notification system of Claim 43 wherein the data word generator creates a data word.

45. The radio frequency signal notification system of Claim 43 wherein the data word generator encrypts a data word.

46. A radio frequency signal notification system comprising a radio frequency receiving device having a power supply, a radio frequency detector, a data word generator that generates a unique data word, a radio frequency signal transmitter that accepts the unique data word from the data word generator, and a radio frequency signal receiver for receiving a transmission of the unique data word from the radio frequency transmitter, wherein the radio frequency detector utilizes the radio frequency receiving device power supply for operation, and the radio frequency receiver further having the ability to recognize the unique data word and emit an alert.

47. The radio frequency signal notification system of Claim 46 wherein the data word generator creates a data word.

48. The radio frequency signal notification system of Claim 46 wherein the data word generator encrypts a data word.

49. The radio frequency receiver of Claim 46 wherein the alert is a vibration.

50. The radio frequency receiver of Claim 46 wherein the alert is an auditory alert.

51. The radio frequency receiver of Claim 46 wherein the alert is a visual alert.

52. The remote cellular phone call notification system of Claim 46 wherein the radio frequency signal transmitter uses a carrier frequency.

53. The radio frequency signal transmitter of Claim 52 wherein the carrier frequency is in the range of 433 MHz to 5 GHz.

54. A cellular phone signal notification system comprising a radio frequency receiving device having a power supply, a radio frequency detector, a data word generator that generates a unique data word, a radio frequency signal transmitter that accepts the unique data word from the data word generator, and a radio frequency signal receiver for receiving a transmission of the unique data word from the radio frequency transmitter, wherein the radio frequency detector utilizes the radio frequency receiving device power supply for operation, and the radio frequency receiver further having the ability to recognize the unique data word and emit an alert.

55. The radio frequency signal notification system of Claim 54 wherein the data word generator creates a data word.

56.The radio frequency signal notification system of Claim 54 wherein the data word generator encrypts a data word.

57. The radio frequency receiver of Claim 54 wherein the alert is a vibration.

58. The radio frequency receiver of Claim 54 wherein the alert is an auditory alert.

59. The radio frequency receiver of Claim 54 wherein the alert is a visual alert.

60. The remote cellular phone call notification system of Claim 54 wherein the radio frequency signal transmitter uses a carrier frequency.

61. The radio frequency signal transmitter of Claim 60 wherein the carrier frequency is in the range of 433 MHz to 5 GHz.

62. A radio frequency signal notification system comprising a radio frequency signal detector, a data word generator that generates a unique data word, a radio frequency signal transmitter that accepts the unique data word from the data word generator, the radio frequency detector, data generator, and radio frequency transmitter further powered by a power supply, and a radio frequency signal receiver for receiving a transmission of the unique data word from the radio frequency transmitter.

63. The radio frequency receiver of Claim 62 further comprising a power supply.

64. The radio frequency signal notification system of Claim 62 wherein the data word generator creates a data word.

65. The radio frequency signal notification system of Claim 62 wherein the data word generator encrypts a data word.

66. A radio frequency signal notification system comprising a radio frequency signal detector, a data word generator that generates a unique data word, a radio frequency signal transmitter that accepts the unique data word from the data word generator, the radio frequency detector, data generator, and radio frequency transmitter further powered by a power supply, and a radio frequency signal receiver for receiving a transmission of the unique data word from the radio frequency transmitter, the radio frequency receiver further having the ability to recognize the unique code and emit an alert.

67. The radio frequency signal notification system of Claim 66 wherein the data word generator creates a data word.

68. The radio frequency signal notification system of Claim 66 wherein the data word generator encrypts a data word.

69. The radio frequency receiver of Claim 66 wherein the alert is a vibration.

70. The radio frequency receiver of Claim 66 wherein the alert is an auditory alert.

71.The radio frequency receiver of Claim 66 wherein the alert is a visual alert.

72. The remote cellular phone call notification system of Claim 66 wherein the radio frequency signal transmitter uses a carrier frequency.

73. The radio frequency signal transmitter of Claim 72 wherein the carrier frequency is in the range of 433 MHz to 5 GHz.

74. A cellular phone signal notification system comprising a radio frequency signal detector, a data word generator that generates a unique data word, a radio frequency signal transmitter that accepts the unique data word from the data word generator, the radio frequency detector, data generator, and radio frequency transmitter further powered by a power supply, and a radio frequency signal receiver for receiving a transmission of the unique data word from the radio frequency transmitter, the radio frequency receiver further having the ability to recognize the unique code and emit an alert.

75. The radio frequency signal notification system of Claim 74 wherein the data word generator creates a data word.

76. The radio frequency signal notification system of Claim 74 wherein the data word generator encrypts a data word.

77. The radio frequency receiver of Claim 74 wherein the alert is a vibration.

78. The radio frequency receiver of Claim 74 wherein the alert is an auditory alert.

79. The radio frequency receiver of Claim 74 wherein the alert is a visual alert.

80. The remote cellular phone call notification system of Claim 74wherein the radio frequency signal transmitter uses a carrier frequency.

81. The radio frequency signal transmitter of Claim 80 wherein the carrier frequency is in the range of 433 MHz to 5 GHz.

82. A method for notifying a radio frequency receiving device user of an incoming signal to a radio frequency receiving device comprising the steps of:

a. the radio frequency device detecting an incoming RF signal;

b. the RF signal being sent to a data word generator;

c. the data word generator creating a unique data word;

d. the unique data word being transmitted to a unique data word receiver by a unique data word transmitter;

e. the unique data word receiver emitting an alert signal to the radio frequency receiving device user.

83. The method of claim 82 further comprising the step of encrypting the unique data word.